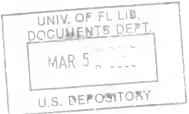


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U.S. DEPARTMENT OF LABOR
WAGE AND LABOR STANDARDS ADMINISTRATION

This booklet was prepared in the Bureau of Labor Standards, Office of Occupational Safety. Direct requests for information to the Bureau of Labor Standards, Washington, D.C. 20210, Attention Code 3-223

STATE
SAFETY
CODE
COMPARISON
STUDIES



UNITED STATES DEPARTMENT OF LABOR
WAGE AND LABOR STANDARDS ADMINISTRATION
BUREAU OF LABOR STANDARDS

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FOREWORD

These code comparison studies are the product of a cooperative effort between the States and the Bureau of Labor Standards. We appreciate each State's contribution which enabled us to evaluate the requirements of that State's safety codes and to have our evaluation confirmed by the appropriate State officials.

We have incorporated with each chart an appraisal of the State's safety rulemaking activity to permit each study to be used independently. When removed from the booklet for review by different parties concerned with specific standards, each comparison is complete.

The several safety standards committees now actively reviewing and revising the standards included in this latest study will find this study very enlightening.

We believe this booklet of code comparisons will serve as a useful means of communicating information of the national posture in safety standards to all the States and to the safety standards committees and their sponsors who devote much time and effort to the development and promotion of national voluntary standards. We thank particularly those State agencies and officials who assisted our staff in making these studies.

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CODE COMPARISON STUDIES BACKGROUND

The Bureau of Labor Standards' Code Comparison Studies compare applicable requirements of each State's safety laws and codes with nationally recognized standards of the United States of America Standards Institute.

Early in 1950, the Bureau initiated a preliminary study on the degrees of conformity between State safety codes and national safety standards. This came as a result of the first President's Conference on Industrial Safety in 1949 which reiterated the lack of uniformity prevalent in State codes.

In 1958 the Bureau began a more comprehensive code comparison program covering 20 codes; this was completed in 1964. At least 17 national safety standards used in the comparisons are in the process of being or have been revised.

The purpose of this impact study, covering six code comparisons, is to detail the progress made during the last 5 to 15 years in State safety rulemaking activity for selected areas and to show the degree of uniformity of the State safety codes with the nationally recognized safety standards. These six code comparison studies were started in 1965 and completed in 1967.

The comparison studies show the degree of conformity of the State requirements with those of the national voluntary standards' requirements, also the degree of uniformity among the States' regulations.

WOODWORKING MACHINERY

In 1951 a code comparison study was made of the applicable State safety regulations and the then "American Standard Safety Code for Woodworking Machinery." This study disclosed that 20 States had administratively promulgated mandatory safety regulations, and one State was using statutory provisions only. Twenty-eight States had no mandatory minimum safety regulations for woodworking machinery. The degree of uniformity among State regulations for worker protection in this area was poor.

In 1961 another code comparison study was made of the applicable State safety regulations and the "American Standard Safety Code for Woodworking Machinery," ASA 01.1-1954 (R1961). At this time, 36 States, Puerto Rico, and the District of Columbia had administratively promulgated minimum mandatory safety codes, and three States were using statutory provisions only. Eleven States still did not have any safety requirements covering the hazards of woodworking machinery, and the degree of uniformity for worker protection improved insignificantly.

The impact study made in the same manner as the earlier studies now shows 40 States, Puerto Rico, and the District of Columbia have minimum safety requirements for woodworking machinery. Of the 40 States, three are still using statutory provisions only. The degree of uniformity for worker protection from the hazards of woodworking machinery has improved slightly.

In summary, over this 15-year period, 16 more States have promulgated safety codes or laws where before 1951 no requirements existed. Of these 16 States, 14 promulgated safety codes under authority delegated by the State legislature to an administrative department.

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LEGEND

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Same as ar similar to standard

e restrictive than standard

Less restrictive than standard

No statute or code

DEFINITIONS

STATUTE - Basic law enacted by State legislation,

CODE - Provisions, promulgated by a State administrative agency, having the force and effect of law. U.S. DEPARTMENT OF LABOR Wage and labor standards administration September 1966

COMPARISON OF STATE SAFETY CODES WITH USAS-WOODWORKING MACHINERY, 01.1-1954 (R1961)

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GENERAL NOTES

On August 24, 1966, the American Standards Association was reconstituted as the United States of America Standards Institute. Standards approved as American Standards are now designated USA Standards. There is no change in their index identification or technical content.

The chatts in this series are intended to show a comparison of State laws with applicable provisions of the standards of the United States of America Standards Institute. The charts do not attempt to evaluate the State enforcement procedures or to weigh the importance of specific provisions. The charts should be considered only as one of a number of means of evaluating the State program for protection of workers in the area covered by the State law.

SPECIFIC NOTES

1 The Department of Industrial Relations otherwise recommends the American Standards Association's "American Standard Safety Code for Woodworking Plants," ASA 01.

 $^2\,\mathrm{One}$ of the applicable laws is restricted to logging and sawmills.

 3 The applicable law (or one such law) is restricted to construction.

⁴ Dhe of the applicable laws is restricted to woodworking plants. Rule 1 of the Basic Safety Manual (effective June 8, 1959) states, in part, that "Mixchinery, tools, or other devices not covered by those codes isafety codes of the State of Aikansas) shall be safeguarded in accordance with the applicable provisions of the "American Standards Association Safety Code applying thereto."

⁵ The Industrial Commission by Resolution, dated May 26, 1958, continued in effect certain codes of the American Standards Association that the Commission had approved as Safety Codes on April 4, 1950. Whether or not this Resolution has the force of law has not been determined.

⁶ The Labor Department on August 15, 1961, adopted and issued as regulations to apply in all places of employment with the force and effect of law, the American Standard "Safety Code for Woodworking Machinery," ASA 01.1-1954 (1996).

⁷ Rule 60 of the Commissioner of Labor, reade pursuant to Section S4-122(d) of the Georgia statute, states that operations and equipment, not covered by other rules, shall be governed by codes of the American Standards Association.

8 The Commissioner of Labor states. "Section 44-636 and 44-637 of the Kansas Statutes, 1949, is interpreted by the office of the Attorney General to provide authority to the Kansas Department of Labor to require recognized standards for industrial safety and health. The Kansas Department of Labor administratively adopted... all ASA Standards as a minimum requirement for industrial safety and health."

⁹ The Department of Labor and Industry on June 1, 1965, adopted and issued as regulations to apply in all places of employment with the force and effect of law, the American Standard "Safety Code for Woodworking Machinery," ASA 01.1-1954 (R1961).

10 Rule 1 of General Rules, North Dakota Industrial Safety Code (adopted July 1, 1960), provides that no machine, tool, or other device shall be used which does not comply with the applicable safety code of the American Standards Association.

One of the applicable laws is restricted to sawmills and woodworking plants.

LEGEND

Some as ar similar to standard

More restrictive than standard Less restrictive than standard

No statute or code

U.S. DEPARTMENT OF LABOR
WAGE AND LABOR STANDARDS ADMINISTRATION
September 1966

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LAUNDRY MACHINERY

The first code comparison for laundry machinery and operations was made in 1962, using the "American Standard Safety Code for Loundry Machinery and Operations," ASA Z.1-1961, and applicable State safety requirements. Thirty-six States, Puerto Rico, and the District of Columbia had administratively promulgated minimum safety codes, and six States were using statutory provisions only for these hazerds. The uniformity for worker protection was poor for laundry machinery and operation hezards.

The impact study indicated that there had been only a slight improvement in the States' safety rulemaking efforts for laundry machinery and operations. Eight States still did not have laws or codes requiring some type of safety measures for laundry machinery and operations. Little improvement in the degree of uniformity for worker protection has been achieved.

COMPARISON OF STATE SAFETY CODES WITH USAS-LAUNDRY MACHINERY AND OPERATIONS, Z8.1—1961



GENERAL NOTES

On August 24, 1966, the American Standards Association was reconstituted as the United States of America Standards Institute. Standards approved as American Standards are now designated USA Standards. There is no change in their index identification or Technical control.

The charts in this series are intended to show a comparison of State laws with applicable provisions of the standards of the United States of America Standards Institute. The charts do not attempt to evaluate the State enforcement procedures or to weigh the importance of specific provisions. The charts should be considered only as one of a number of means of evaluating the State program for protection of workers in the area covered by the State taw.

SPECIFIC NOTES

- 1 The Department of Industrial Relations otherwise recommends the American Standards Association's "American Standard Safety Code for Laundry Machinery and Operations."
- ² Rule 1 of the Basic Safety Manual (effective June 8, 1959) states, in part, that "Machinery, tools, or other devices not covered by those codes (safety codes of the State of Arkansas) shall be safeguarded in accordance with the applicable provisions of the "American Standards Association Safety Code applying thereto."
- ³ Rule 60 of the Commissioner of Labor, made pulsuant to Section 54-122(d) of the Georgia Statute, states that operations and equipment, not covered by other rules, shall be governed by codes of the American Standards Association.
- ⁴ The Commissioner of Labor states: "Section 44-636 and 44-637 of the Klansas Statutes, 1949, is interpreted by the office of the Attorney General to provide authority to the Klansas Department of Labor to lequire recognized standards for industrial safety and health. The Klansas Department of Labor administratively adopted... all ASA Standards as a minimum requirement for industrial safety and health."
- 5 The Department of Labor and Industry on June 1, 1965, adopted and issued as regulations to apply in all places of employment with the force and effect of law, the American Standard "Safety Code for Laundry Machinery and Operations," ASA Z8.1-1961.
- 6 The scope of the Regulation titled "Regulation Sanitation and Safety of Industrial Establishments," piomulgated by the Mississippi Board of Health, effective June 23, 1954, states that "... the responsibilities for compliance with the provisions of these regulations shall rest with the owner, superintendent or manager."
- Rule 1 of General Rules, North Dakota General Safety Code (adopted July 1, 1960), provides that no machine, tool, or other device shall be used which does not comply with the applicable safety code of the American Standards Association.

LEGEND

Some as ar similar to standard

More restrictive than standard

Less restrictive than standard

No statute or code

U.S. DEPARTMENT OF LABOR WAGE AND LABOR STANDARDS ADMINISTRATION SEPTEMBER 1966 DEFINITIONS

STATUTE—Basic law enacted by State legislation

CODE — Provisions, promulgated by a State administrative agency, having the force and effect of law

WINDOW CLEANING

The initial code comparison study between the "American Safety Code for Window Cleaning," ASA A39.1-1959 and the applicable State safety regulations was made in 1963. At that time 24 States, Puerto Rico, and the District of Columbia had mandatory safety codes for window cleaning, and only two States were still using statutory provisions. This left 24 States which had no minimum mandatory safety requirements for the hazards of window cleaning. The uniformity for worker protection under the laws of the States was poor.

The impact study shows a small improvement. Now 23 States lack some type of safety requirement for window cleaning. There is appreciable change in the degree of uniformity for worker protection.

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COMPARISON OF STATE SAFETY CODES WITH USAS-WINDOW CLEANING, A39.1-1959

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GENERAL NOTES

On August 24, 1966, the American Standards Association was reconstituted as the United States of America Standards Institute Standards approved as American Standards, are now designated USA Standards. There is no change in their index identification or technical content

The charts in this series are intended to show a comparison of State laws with applicable provisions of the standards of the United States of America Standards Institute. The charts do not attempt to evaluate the State enforcement procedures or to weigh the importance of specific provisions. The charts should be considered only as one of a number of means of evaluating the State program for protection of workers in the area covered by the State law.

WAGE AND LABOR STANDARDS ADMINISTRATION April 1967

SPECIFIC NOTES

- The United States of America Standard, for the purposes of this comparise.
- The Department of Industrial Relations recommands the American Standtids Association's "Salaty Code for Window Cleaning," ASA A39
- Rule I of the Basic Safety Minnia: effect ve John H, 1959 states, in part, that "Machinery, tools, or other devices not covered by this elogistratety than's "Safety Code for Mindow Cleaning," A39 1 1959 codes of the State of Alkansiasi shall be safegualited in accordance with the applicable provisions of the "American Standards Association Safety Code applying thereto".
- 4 Rule 60 at the Commissioner of Labai, made pulsuant to Section 54-17-2 di of the Georgia Statuse, status that operations and equipment, not covered by other rules, shall be governed by codes of the Avenuan Standards Associated the Avenuan
- The Cummissioner of Estar states. "Section 44-636 and \$8-637 of the Son, is industried to apply only to window cleaning as building maintenance after the building his firen luned over to the nance after the building his firen luned over to the nances for occupancy easi to provide initiality to the Kansas Organizment of Labor to require
 - The Depairment of Labor recommends the American Standards Assurta-
 - The Department of Labor and Industry on Jone 1,4965, inlopted and is sued as regulations to apply in all places of confloyment with the force and offer to thaw, the American Standard "Salety Code for Window Clean-
 - Pole 1 of General Rules, North Dakota Industrial Safety Code (Hoples July 1, 1960), provides that no machine, loot, at other device shall bused which does not comply with the applicable safety code of the American ican Standards Association

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MECHANICAL POWER-TRANSMISSION **APPARATUS**

The first study of this area covered by the "American Standard Safety Code for Mechanical Power-Transmission Apparatus," ASA B15.1-1958, and the applicable State safety regulations was completed in 1960. This study showed 31 States, Puerto Rico, and the District of Columbia had mandatory minimum safety codes, and 10 States were using statutory provisions only to cover the hazards of this equipment. The degree of uniformity for worker protection among the States was fair, however 10 States had no mandatory minimum safety requirements for these hazards.

The impact study showed no change in the number of States with some type of minimum mandatory safety requirements for protection against the hazards of mechanical power transmission apparatus. There was a slight improvement in the degree of uniformity for worker protection among the State requirements.

COMPARISON OF STATE SAFETY CODES WITH USAS-MECHANICAL POWER-TRANSMISSION APPARATUS B15.1-1958

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FEHTUCRY LOUISIANA	Coor		William Maria					(1)	1			77.711				mission had approved as Sately Codes on April 4, 1950. Whether or not this Resolution has the force of take has not been determined.
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U.S. DEPARTMENT OF LABOR

APRIL 1967

WAGE AND LABOR STANDARDS ADMINISTRATION

DEFINITIONS

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OURCE - United States of America Standard Safety Code for Mechanical Power - Transmission Apparatos, USAS 815 1 - 1958, and

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Less restrictive than standard

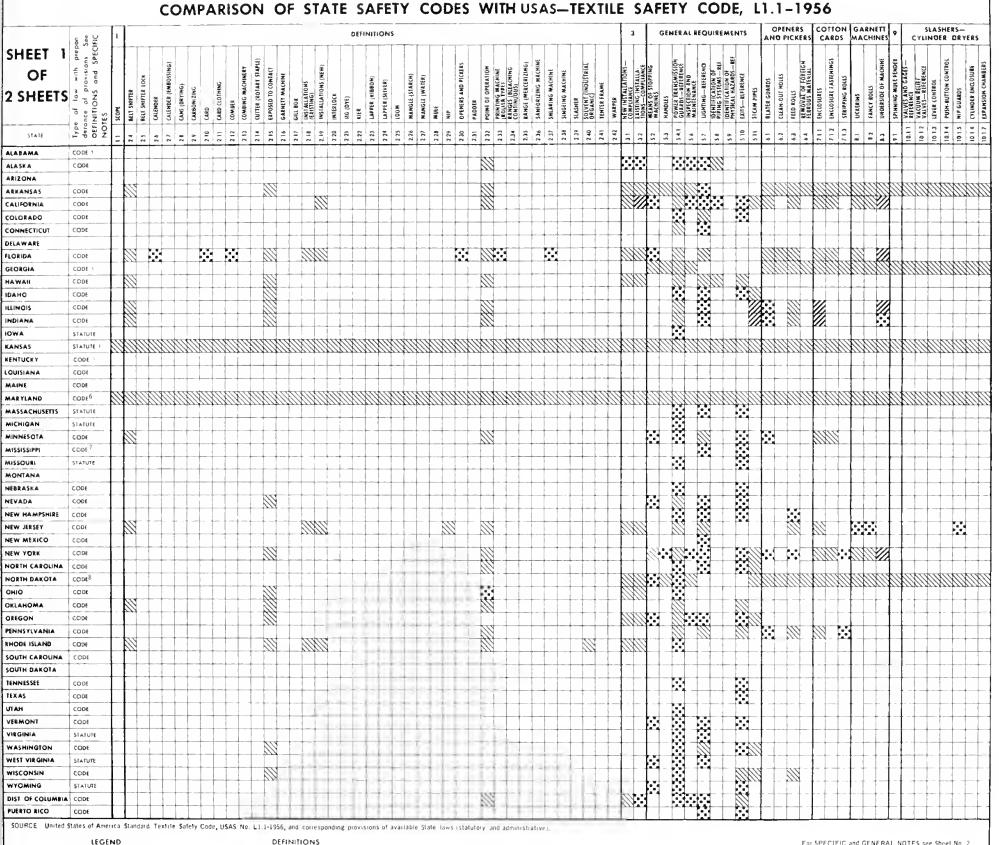
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TEXTILE SAFETY

The first textile code comparison study was made in 1962. At that time 37 States, Puerto Rico, and the District of Columbia had administratively promulgated safety regulations, and eight States were still using statutory provisions only for the textile industry. The degree of uniformity for worker protection under the States' requirements was almost nonexistent.

The impact study showed almost no change in this area over the 5-year period with only one State making any changes to its rules during this time.



For SPECIFIC and GENERAL NOTES see Sheel No. 2

Same as ar similar to standard

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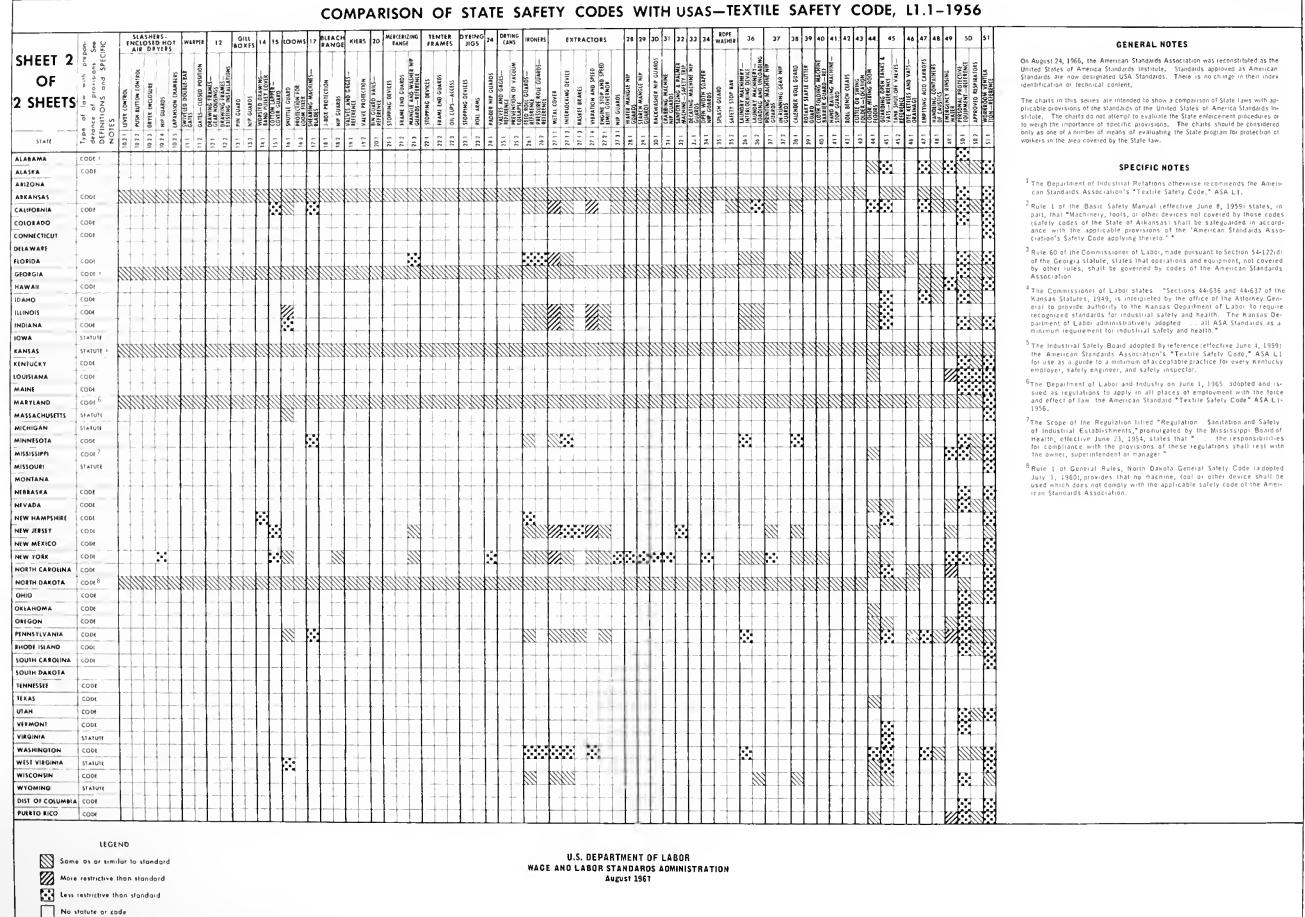
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STATUTE - Bosic low enocted by

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U.S. DEPARTMENT OF LABOR WAGE AND LABOR STANDARDS ADMINISTRATION August 1967





ABRASIVE WHEELS

The first code comparison study for abrasive wheels, using the then current "American Standard Safety Code for the Use, Care, and Protection of Abrasive Wheels," ASA B7.1-1947, and the applicable State safety laws and codes was completed in 1953. At that time, 20 States had administratively promulgated safety codes and one State used only statutory provisions to cover these hazards. Twenty-seven States had no mandatory safety requirements for abrasive wheels. Little, if any, uniformity was found for worker protection among the State requirements.

In 1961 the second study was made, using the 1956 revision of the abrasive wheel safety standard. Thirty-one States now had administratively promulgated minimum mandatory safety codes, and five States were using statutory provisions only to cover abrasive wheel hazards. Fourteen States still did not have any mandatory minimum safety requirements for abrasive wheels. The degree of uniformity of worker protection improved slightly.

The impact study which is the culmination of these particular studies shows some further improvement in State safety requirements. The impact study used the latest revision of the abrasive wheel safety standard (USAS B7.1-1964) as a basis for this comparison. Thirty-two States now have administratively promulgated minimum mandatory safety code requirements; and one State is still using statutory provisions. The advisory exhaust ventilation provisions in the standard was not included in this evaluation. With the exclusion of these provisions, there are now 17 States and Puerto Rico that have no mandatory minimum requirements for abrasive wheel hazards.

In summary, over this period of 14 years, an increase of 12 States now administratively promulgate minimum safety codes for abrasive wheel hazards which did not do so before 1953. In this time, the degree of uniformity for worker protection emong the various State safety requirements has improved very little for abrasive wheel hazards.

WISCONSIN

DIST OF COLUMBIA

PUERTO RICO

WYOMING

COMPARISON OF STATE SAFETY CODES WITH USAS-THE USE, CARE, AND PROTECTION OF ABRASIVE WHEELS B7.1-1964 SCOPE AND DEFINITIONS GENERAL MACHINE CONDITIONS SAFETY CUARDS FLANGES SHEET I OF 2 SHEETS ALABAMA ALASKA ARIZONA cape 1 ARKANSAS CALIFORNIA COLORADO CONNECTICUT DELAWARE FLORIGA GEORGIA HAWRII GAHO LLINOIS INDIANA IOWA KANSAS KENTUCKY LOUISIANA MAINE MARYLAND MASSACHUSETTS MICHIGAN MINNESOTA MISSISSIPPI MISSOURI MONTANA NEBRASKA NEVADA NEW HAMPSHIRE NEW JERSEY NEW MEXICO NEW YORK NORTH CAROLINA NORTH DAKOTA 0110 OKLAHOMA OREGON PENNSYLVANIA RHOOE ISLAND SOUTH CAROLINA SOUTH OAKOTA TENNESSEE TEXAS UTAH VERMONT VIRGINIA WASHINGTON WEST VIRGINIA

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U.S. DEPARTMENT OF LABOR WAGE AND LABOR STANDARDS ADMINISTRATION AUGUST 1967

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State legislation CODE - Provisions, plumulgated For SPECIFIC and GENERAL NOTES see Sheet No. 2

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COMPARISON OF STATE SAFETY CODES WITH USAS-THE USE, CARE, AND PROTECTION OF ABRASIVE WHEELS, B7.1-1964

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GENERAL NOTES

stituted as the United States of America Schandards Association was recon-acts approved as American Standards and mow designated USA Standards. There is no change in their index identification or technical content

The charts in this series are infended to show a comparison of State The chals in this series are intended to show a comparison of slate lews with applicable provisions of the standards of the United States of America Standards Institute. The charls do not attempt to evaluate the State enlocement procedures or to every the importance of specific provisions. The charls should be considered only as one of a number of reans in textinating the State program for protection of workers in the area covered by the State law.

SPECIFIC NOTES

- The applicable law on one such lawy is restricted to construction.
- ² Rule 1 of the Rasic Salely Minual (effective June 8, 1959) states, in part, that "Machinery, tools, or other devices no covered by those codes (safely codes of the State of Arkansas) shill be safeguarded in accordance with the applicable provisions of the American Standards Association Safely Code applying therefor "This rule is interpreted by the Commission of Labar as applying to the latest USASI standard
- ³The industrial Commission by Resolution, dated May 26, 1958, continued in effect certain codes of the American Standards Association that the Commission had approved as Safety Codes on April 4 1950. Whether or not this Resolution has the force of law has not been defermed.
- ¹Rule 60 of the Commissioner of Labor, made pulsuant to Section \$4-122(d) of the Georgia note on or the Commissioner of Lader, induct pursuant to Section 3 expert of the American Statule, states that operations and equipment, not covered by other rules, shall be governed by codes of the American Standards Association. If it is interpreted by the Commissioner of Labor as applying to the Talest USASt standard.
- 5 The Commissioner of Labor states "Section 44-636 and 44-637 of the Kinssas Statutes, 1943, is interpreted by the office of the Attorney General to provide authority to the Kanssas Department of Labor for require recognized standards for industrial safety and health. The Assass Department of Labor damnisstatively adopted this ASA Standard as a minimum requirement for industrial safety and health."
- ⁶ The Department of Labor and Industry on June 1, 1965, adopted and issued as regulations The October and Polaces of employment with the lorce and effect of law the United States Standard "Salety Code for The Use, Care and Protection of Alvasive Wheels," USAS 87 1-1964
- ⁷ Rule 1 of General Rules, North Dakota General Safety Code (adopted July 1, 1960) provides that no machine took, no other device shall be used which does not comply with with the applicable safety code of the American Standards Association
- A The Department of Labor and Industry on July 17, 1965, adopted and issued as regulations with the force and effect of law, the "United States of America Standard Safety Code for the Use, Care and Protection of Abrasive Wheels," USAS 87, 1-1964.
- ⁹ The Minimum Wage and Industrial Safety Board uses approved United States of America Standards Institute's safety under as guides to correct hazards and hazardous conditions

LEGEND

Same as or aimilar to standard Less restrictive than standard

Mote restrictive than standard No statute or code

US DEPARTMENT OF LABOR WAGE AND LABOR STANDARDS ADMINISTRATION AUGUST 1967

See Sheet No. 1 for DEFINITIONS







U.S. DEPARTMENT OF LABOR
WAGE AND LABOR
STANDARDS ADMINISTRATION
BUREAU OF LABOR STANDARDS
WASHINGTON, D.C. 20210

OFFICIAL BUSINESS



POSTAGE AND FEES PAID U.S. DEPARTMENT OF LABOR

THIRD CLASS MAIL

